

14885-1us

What is claimed is:

1. A computer network for storing user data and sharing at least a part of same among users with permission rights over a Wide Area Network (WAN), each of said users having a user identification, the computer network comprising:

a dispatch server, said dispatch server comprising a look-up table, said look-up table providing a relation between a user identification and a cell identification;

more than one cells, each of said more than one cells comprising,

an owner authentication unit, connected to said WAN, authenticating a local user and providing an owner authentication signal;

a shared database, said shared database comprising said shared data;

a permission database, the permission database comprising a relation between at least one user identification, at least one part of said data and said permission rights;

a shared access authentication unit, connected to said WAN, the shared access authentication unit authenticating a non local user using said permission database and providing a shared access authentication signal;

a database manager, connected to at least said owner authentication unit, to said shared access authentication unit, to said permission database and to said shared database, the database manager, receiving a request from a user and providing an access with permission right to at least one part of said shared data of said shared database with said permission rights if an owner authentication signal or if a shared access authentication signal is received.

2. The computer network as claimed in claim 1, further comprising a owner database, the owner database being connected to said database manager, the owner database comprising an identification of the database available to a particular user.

3. The computer network as claimed in claim 2, further comprising a owner resource access manager, the owner resource access manager enabling a local

14885-1us

user access to access at least one application, said at least one application using at least one database.

4. The computer network as claimed in claim 3, wherein said owner resource manager enables said local user to access at least one application, using an interface, said interface comprising at least one function button, each of said at least one function button providing access to one of said at least one application, a list all database available to a user, said list comprising the name of said database available, the owner and the permission status.

5. The computer network as claimed in claim 4, wherein said interface comprises a dynamic search engine and a database selection tools, said database selection tools enabling said user to select at least one database of said database available, said dynamic search engine enabling said user to perform a search over said at least one selected database using at least one database search technique.

6. The computer network as claimed in claim 5, wherein said at least one database search technique comprises a boolean search.

7. The computer network as claimed in claim 3, wherein one of said at least one application comprises a profile manager, said profile manager enabling a user to modify a permission right for at least one part of his data.

8. The computer network as claimed in claim 3, wherein one of said at least one application comprises a database management application, the database management application enabling the user to create, edit, delete a database.

9. The computer network as claimed in claim 3, wherein one of said at least one application comprises a calendar.

14885-1us

10. The computer network as claimed in claim 3, wherein one of said at least one application comprises a to do application, said to do application enabling at least a user to create a list of item to complete according to its preference.

11. The computer network as claimed in claim 3, wherein one of said at least one application comprises an address book application, said address book application enabling a user to create a list of addresses.

12. The computer network as claimed in claim 4, wherein said interface comprises a special search engine, said special search engine enabling said user to select a search application, at least one database of said database available and a search data, said special search engine enabling said user to perform a search using said search application with said search data and to update said at least one database with at least one part of the results from said search.

13. The computer network as claimed in claim 12, wherein said search application is embedded on a remote web server.

14. The computer network as claimed in claim 3, wherein one of said at least one application comprises a synchronization application, the synchronization application enabling a user to synchronize at least two databases.

15. The computer network as claimed in claim 3, wherein one of said at least one application comprises a back-up/restore application, the back-up/restore application enabling a user to perform a back-up/restore of at least one database.

16. The computer network as claimed in claim 1, wherein authentication is performed using at least a login and a password.

14885-1us

17. The computer network as claimed in claim 1, wherein said relation between a user identification and a cell identification is provided using encryption means.

18. The computer network as claimed in claim 1, wherein said request from a user is received by said database manager using encryption means.

19. The computer network as claimed in claim 1, wherein said database manager and said client are connected via said WAN using encryption means.

20. The computer network as claimed in claim 1, wherein said shared database comprises an alarm field.

21. The computer network as claimed in claim 20, wherein a cell comprises an alarm watchdog, the alarm watchdog monitoring the alarm field of the shared database on the cell.

22. A method for sharing at least one part of data, using a plurality of cell, among at least one user with permission rights over a Wide Area Network (WAN), each of said users having a user identification, the method comprising the steps of:

accessing a dispatch server, said dispatch server comprising a look-up table, said look-up table providing a relation between a user identification and a cell identification;

providing a user identification to said dispatch server;

receiving, from said dispatch server, a cell identification corresponding to said user identification provided;

accessing a cell through said WAN, using said cell identification;

authenticating with said cell using at least said user identification and a password;

selecting said at least one part of data to share;

14885-1us

selecting said at least one user to whom said at least one part of data is shared and a permission right;

updating a permission database using at least said permission right, the user identification of said at least one user to whom the at least one part of data is shared and an identification of said shared data.

23. The method as claimed in claim 22, further comprising the step of sending an information to said at least one user to whom the data is shared, said information comprising said user identification and an identification of said shared data.

24. The method as claimed in claim 22, further comprising the step of generating a number after said authentication with said cell, said number being transmitted in following transmissions in order to enable a continuous authentication of said user.

25. The method as claimed in claim 22, further comprising the step of detecting when a cell reaches a certain limit.

26. The method as claimed in claim 25, further comprising the step of transferring at least one part of said data of a cell in another cell.

27. The method as claimed in claim 26, wherein the step of transferring at least one part of said data of a cell in another cell is performed by updating the dispatch server, updating the permission database and copying the data.